



Installation/Operation Instructions Warranty Information

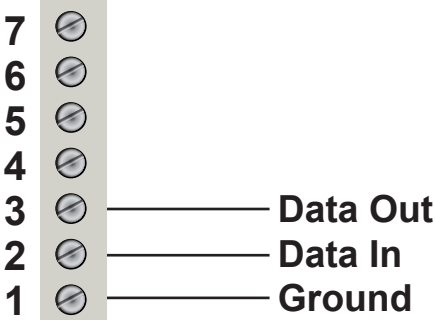
D2100
D2100WDM
D2120
D2125



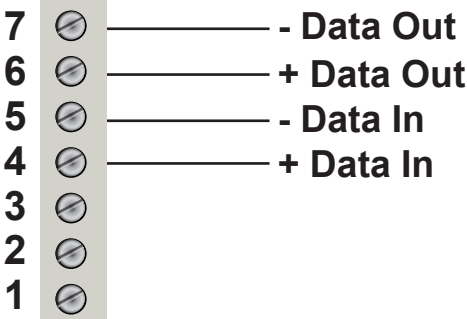
www.ifs.com
888-999-9IFS

D2100

RS-232 DATA



RS-422 DATA

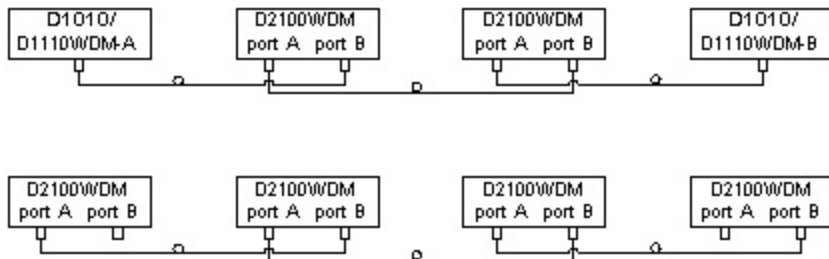


Transmit @ 850 nm --- >
 Receive @ 1300 nm <---

--- > Receive @ 850 nm
 <--- Transmit @ 1300 nm

D1010/D1110WDM-A
 D2100WDM port A

D1010/D1110WDM-B
 D2100WDM port B



International
 Fiber
 Systems
 Incorporated
 200.428.1100 www.ifs.com

DRAWING NO.

**Fiber connections when
 using WDM devices**

PROJECT NAME

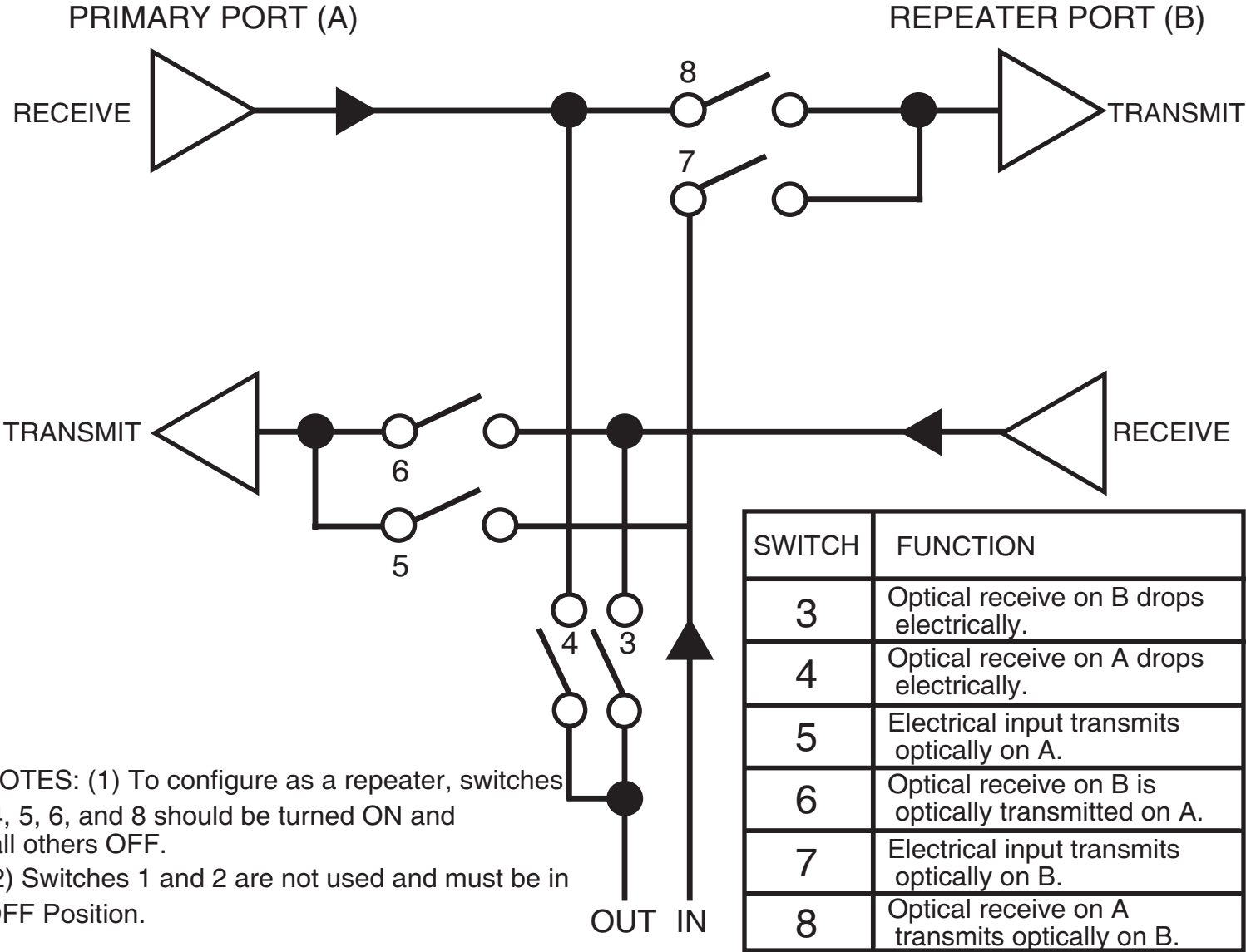
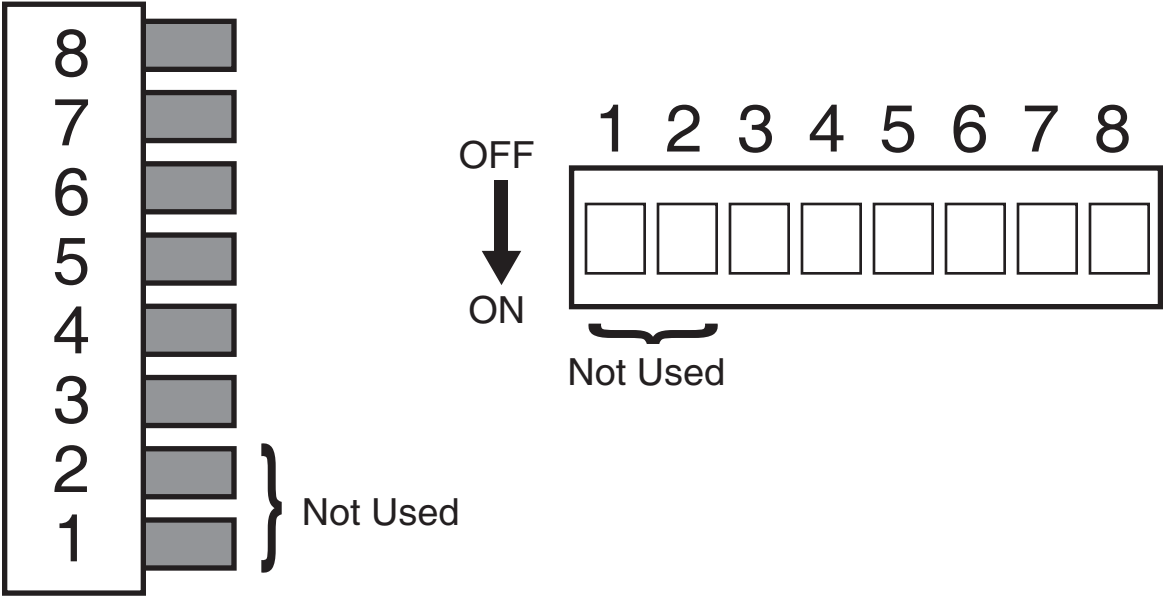
DATE: 3 Jun, 1999

APPROVED BY: JN

REVISION

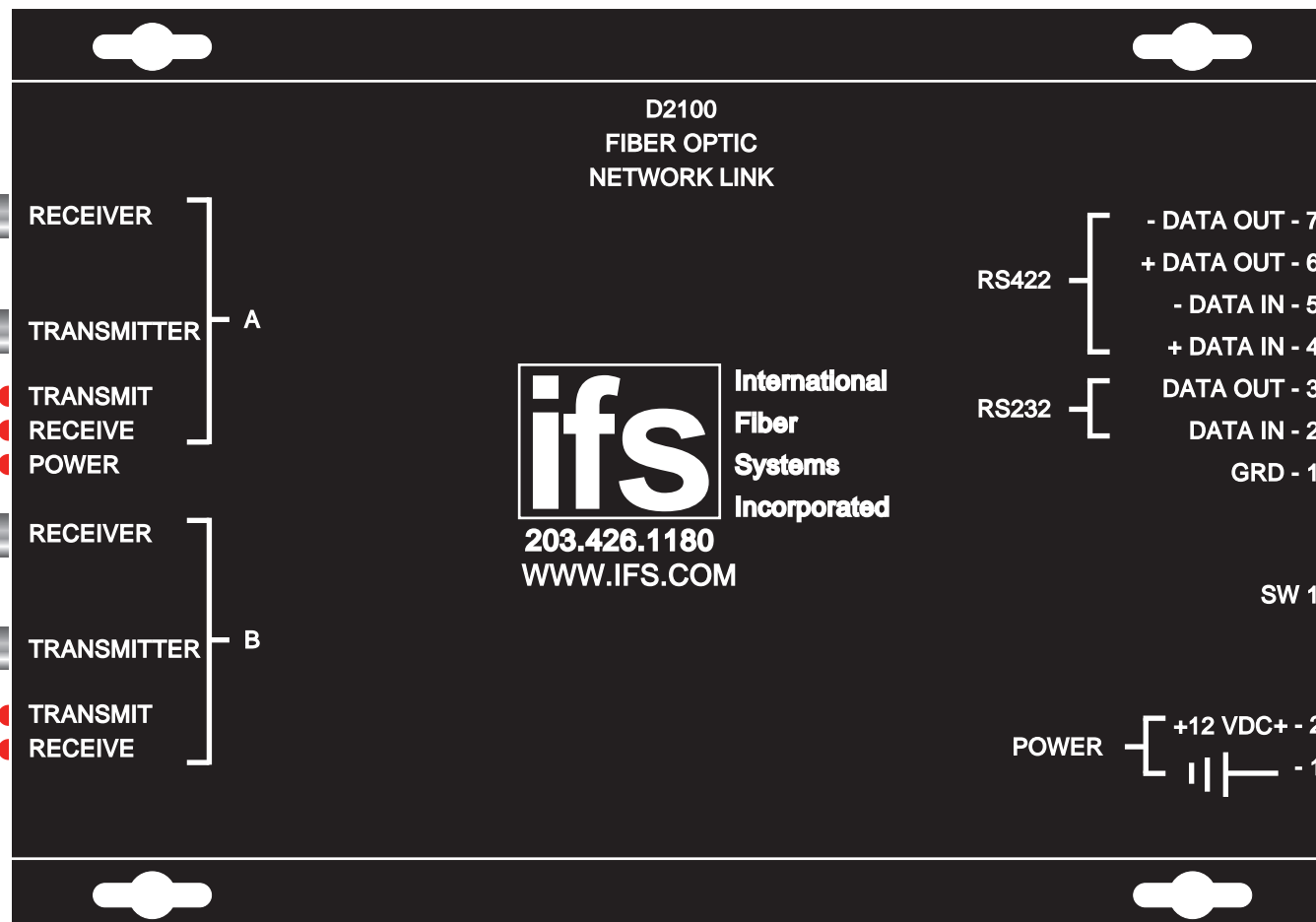
FILENAME: when using data

D2100



To D1010 or
D2100 series module

Duplex multimode
fiber optic cable



RS422 [- DATA OUT - 7
+ DATA OUT - 6
- DATA IN - 5
+ DATA IN - 4] RS422 Output
RS232 [DATA OUT - 3
DATA IN - 2
GRD - 1] RS232 Input

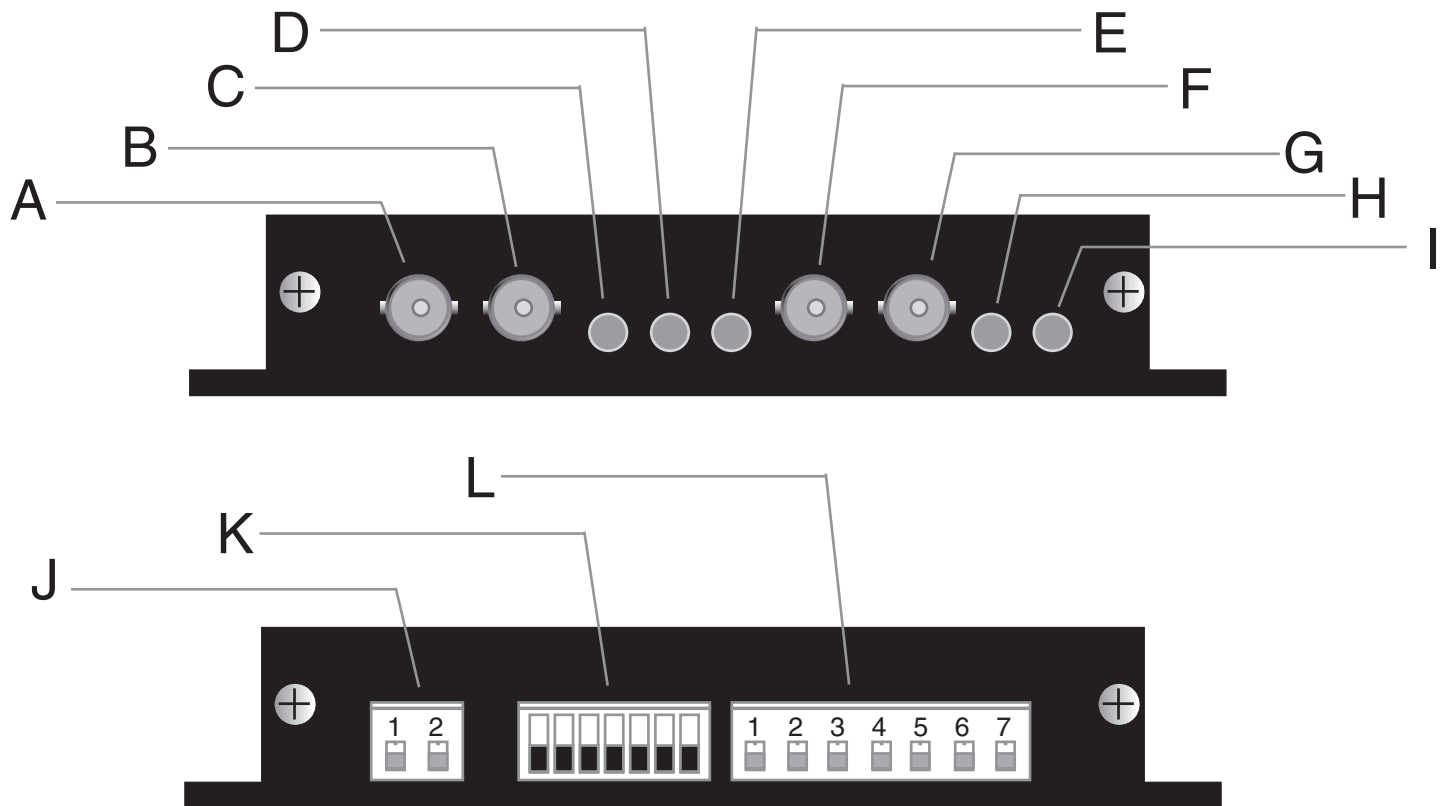
SW 1 } Dip Switch

POWER [+12 VDC+ - 2
- 1] Black with white stripe
Black wire

Duplex multimode
fiber optic cable

To D1010 or
D2100 series module

D2100



A	Data Receiver Channel A	
B	Data Transmitter Channel A	
C	Data Transmit Channel A	LED illuminates
D	Data Receive Channel A	LED illuminates
E	Power	LED illuminates
F	Data Receiver Channel B	
G	Data Transmitter Channel B	
H	Data Transmit Channel B	LED illuminates
I	Data Receive Channel B	LED illuminates
J	Power Connector	
K	Configuration Switch	
L	Data Connector	

NOTE: WITHOUT PROPER FIBER CONNECTION, LED's DO NOT INDICATE CORRECT OPERATIONAL STATUS OF THE UNIT.

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesirable operation.

Changes or modifications not expressly approved by International Fiber Systems, Inc. could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CLASS 1 LASER PRODUCT
(For purposes of IEC 60825-1)

Complies with FDA Performance Standard for Laser Products
Title 21
Code of Federal Regulations
Subchapter J

NOTICE:

When used in a Division 2 environment, the product must be installed in a suitable enclosure having provisions for provision 2 wiring methods or equivalent.



Comprehensive Lifetime Warranty

(a) Seller warrants to the original End User that products and any services furnished hereunder will be free from defects in material and workmanship as of the date of delivery, and will conform to Seller's published technical specifications. The foregoing shall apply only to failures to meet said warranties which appear within that period of time during which the Products are installed in their original installation for the original End User and operator of such Products; provided, however, that in the event of product discontinuance, warranty support is limited to five (5) years from the announcement of discontinuance. Notwithstanding the preceding sentence, the duration of the warranty period for products not manufactured by Seller (e.g., fiber optic cabling, test equipment, power supplies or batteries) shall be the warranty period offered by the original manufacturer, if any.

(b) The conditions of any tests shall be mutually agreed upon and Seller shall be notified of, and may be represented at, all tests that may be made. The warranties and remedies set forth herein are conditioned upon (a) proper storage, installation, use and maintenance, and conformance with any applicable recommendations of Seller and (b) Buyer promptly notifying Seller of any defects and, if required, promptly making the product available for correction.

(c) If any product or service fails to meet the foregoing warranties, Seller shall thereupon correct any such failure either at its option,

(i) by repairing any defective or damaged product or parts of the products, or (ii) by making available any necessary repaired or replacement products or parts thereof. Any repaired or replacement part or product shall be warranted for the remaining period of the original Warranty Period. Seller shall pay, or credit Buyer for, the cost of freight for all return shipments of products or parts to Buyer. Where a failure cannot be corrected by Seller's reasonable efforts, the parties will negotiate an equitable adjustment in price.

(d) The preceding paragraph sets forth the exclusive remedies for claims based on defect in or failure of products or services, whether the claim is in contract, indemnity, warranty, tort (including Seller's negligence), strict liability or otherwise and however instituted. Upon the expiration of the warranty period, all such liability shall terminate and BUYER shall have a reasonable time, within thirty days after the warranty period, to give written notice of any defects which appeared during the warranty period. The foregoing warranties are exclusive and in lieu of all other warranties, whether written, oral, implied or statutory. NO IMPLIED OR STATUTORY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE SHALL APPLY. Seller does not warrant any products or services of others which BUYER has designated.



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